

Report of Analysis

Client:	PSEG	Date Collected:	04/11/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	04/11/25
Client Sample ID:	HR-03-041125	SDG No.:	Q1785
Lab Sample ID:	Q1785-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/14/25 08:38	04/15/25 10:08	PB167574

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	88.3		10	12.5	21.1	mg/kg	FE053362.D
Aliphatic C9-C28	Aliphatic C9-C28	270		10	9.60	42.3	mg/kg	FE053362.D
Total AliphaticEPH	Total AliphaticEPH	359			22.1	63.4	mg/kg	
Total EPH	Total EPH	359			22.1	63.4	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053348.D	1	04/14/25	04/14/25	PB167574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	253	E	0.96	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	92.8	E	1.25	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.6		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	55.7		40 - 140	111%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1785-03	Acq On:	14 Apr 2025 18:03
Client Sample ID:	HR-03-041125	Operator:	YP\AJ
Data file:	FE053348.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.775	25413096	162.871	300	ug/ml
Aliphatic C12-C16	6.776	10.227	246182154	1600	200	ug/ml
Aliphatic C16-C21	10.228	13.605	228845813	1590	300	ug/ml
Aliphatic C21-C28	13.606	17.276	35782119	266.34	400	ug/ml
Aliphatic C28-C40	17.277	22.185	163789705	1320	600	ug/ml
Aliphatic EPH	3.133	22.185	700012887	4940		ug/ml
ortho-Terphenyl (SURR)	11.896	11.896	9068120	55.67		ug/ml
1-chlorooctadecane (SURR)	13.340	13.340	5955428	49.61		ug/ml
Aliphatic C9-C28	3.133	17.276	536223182	3620	1200	ug/ml